

YOUR PERSONALITY TYPE IS: LOGICIAN (INTP-A)



MIND

This trait determines how we interact with our environment.



ENERGY

This trait shows where we direct our mental energy.



NATURE

This trait determines how we make decisions and cope with emotions.



JUDGING



TACTICS

This trait reflects our approach to work, planning and decision-making.



IDENTITY

TURBULENT

This trait underpins all others, showing how confident we are in our abilities and decisions.▼



*picture from 16personalities.com

Personality Predictor *By Daniel Vega*

Introduction

The Myers–Briggs Type Indicator (MBTI) is based on the conceptual theory proposed by Carl Jung, who had speculated that humans experience the world using four principal psychological functions – sensation, intuition, feeling, and thinking – and that one of these four functions is dominant for a person most of the time.

PERSONALITY TYPES KEY



Extroverts

are energized by people, enjoy a variety of tasks, a quick pace, and are good at multitasking.



Introverts

often like working alone or in small groups, prefer a more deliberate pace, and like to focus on one task at a time.



Sensors

are realistic people who like to focus on the facts and details, and apply common sense and past experience to come up with practical solutions to problems.



Intuitives

prefer to focus on possibilities and the big picture, easily see patterns, value innovation, and seek creative solutions to problems.



Thinkers

tend to make decisions using logical analysis, objectively weigh pros and cons, and value honesty, consistency, and fairness.



Feelers

tend to be sensitive and cooperative, and decide based on their own personal values and how others will be affected by their actions.



Judgers

tend to be organized and prepared, like to make and stick to plans, and are comfortable following most rules.



Perceivers

prefer to keep their options open, like to be able to act spontaneously, and like to be flexible with making plans.

SOURCE: "Do What You Are: Discover the Perfect Career for You Through the Secrets of Personality Type" by Paul D. Tieger, Barbara Barron, Kelly Tieger

BUSINESS INSIDER

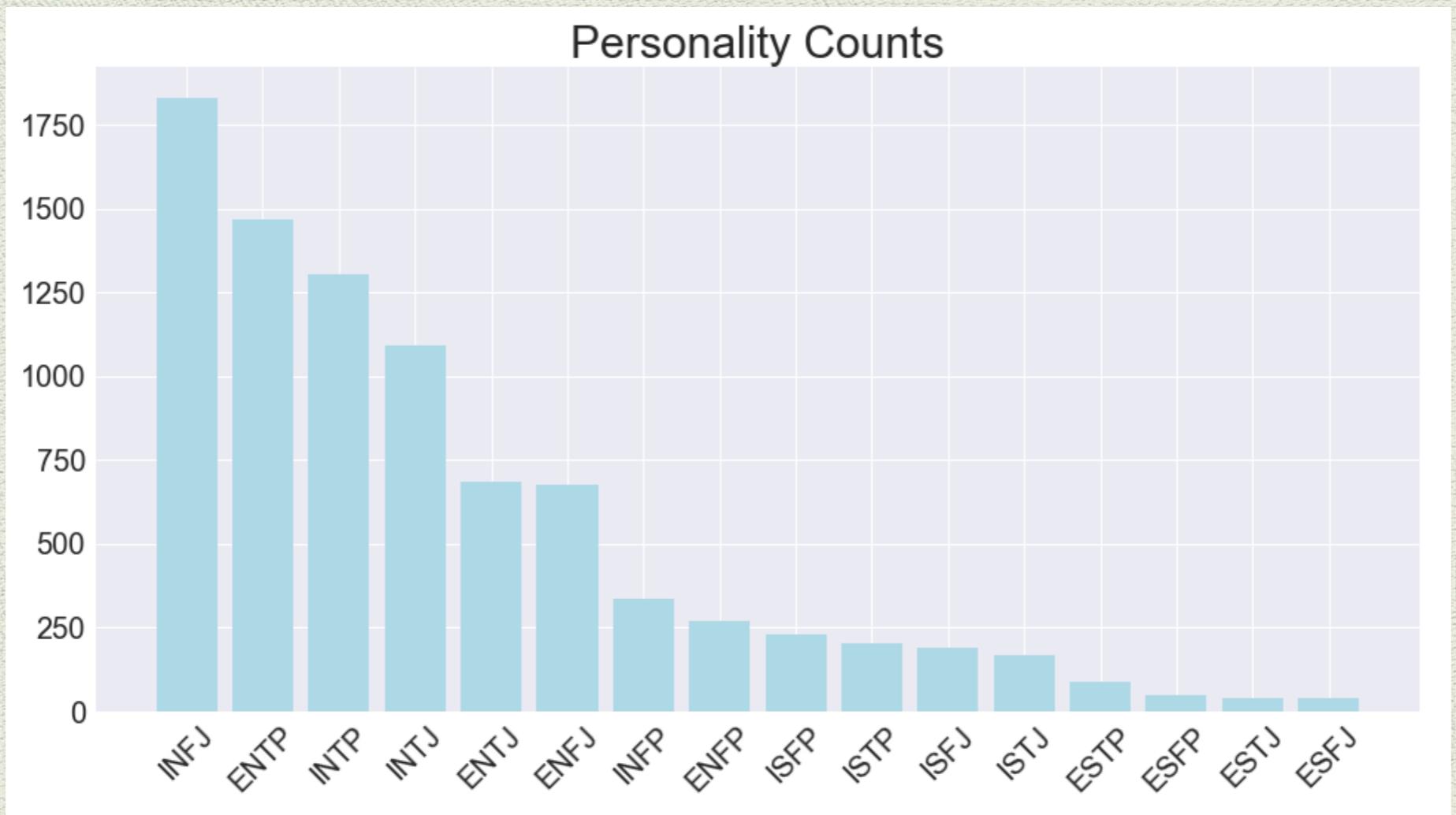
Project Overview

The data was collected from the Personality Cafe Forum:

- ◆ 8600 observations
- ◆ Last 50 posts of each user
- ◆ Each user is labeled with their corresponding MBTI

Exploratory Data Analysis

Our EDA showed that we have very unbalanced data. This will be an issue when we get to modeling. It also showed that the least common personalities in the population were the MOST represented in our dataset.



Data Pipeline



Model Selection

The following models were made:

- | | |
|------------------------------|-------------------|
| Naive Bayes | Accuracy = 22.05% |
| Logistic Regression | Accuracy = 63.00% |
| Random Forest Classifier | Accuracy = 36.15% |
| Gradient Boosting Classifier | Accuracy = 65.08% |
| Support Vector Machine | Accuracy = 67.00% |

E/I N/S T/F J/P

After splitting the targets from 16 to 4, our accuracy goes to 78%

Deep Learning

Built a Neural Network with accuracy of 98.66%
This is what the confusion matrix looked like:

Sentiment / Emotional Analysis

Used a lexicon, which was created by the National Research Council Canada, to derive emotions from the text.

INTP



ESTJ



Conclusion

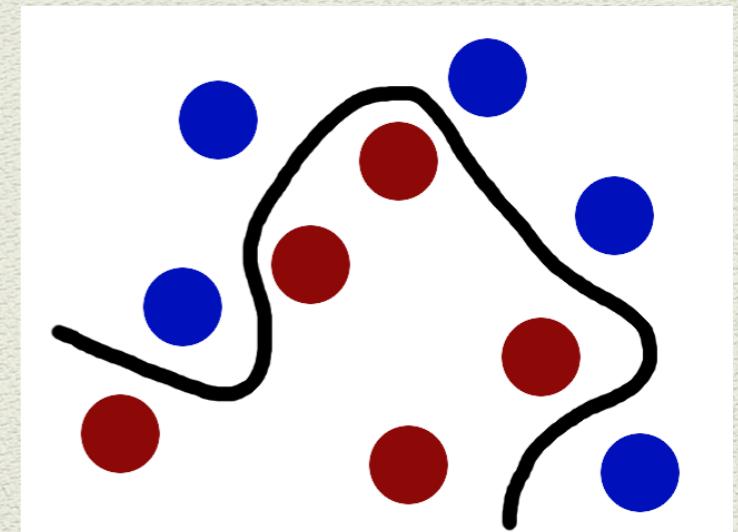
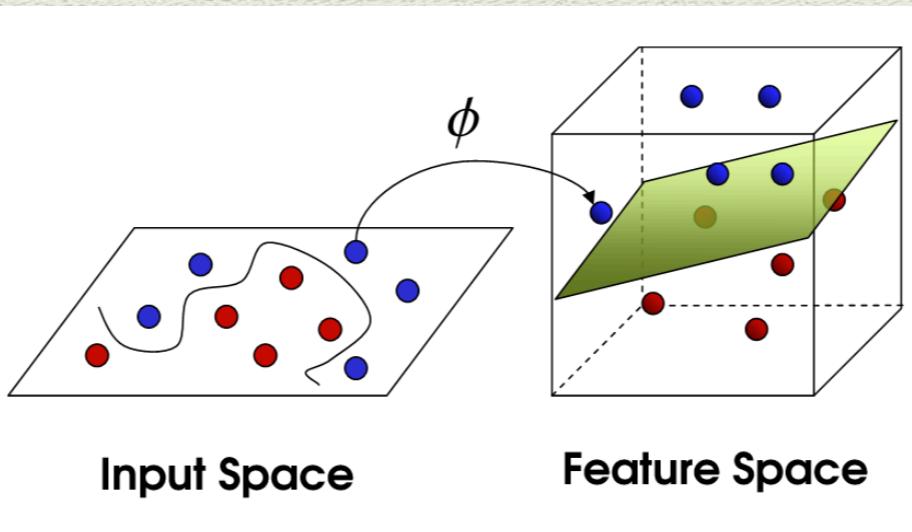
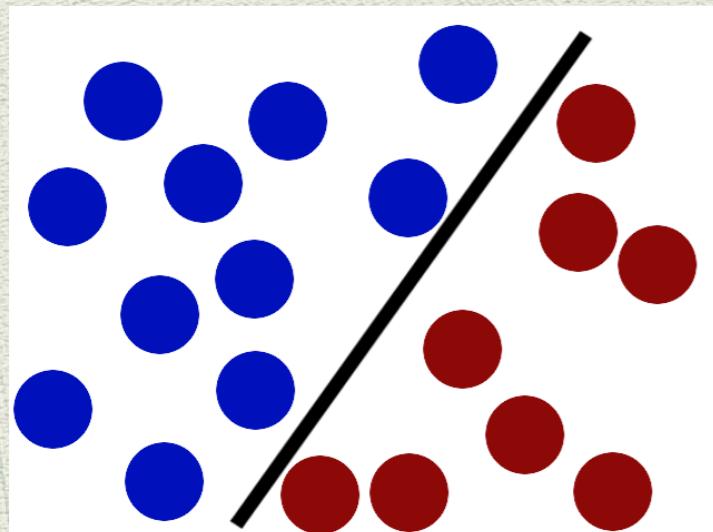
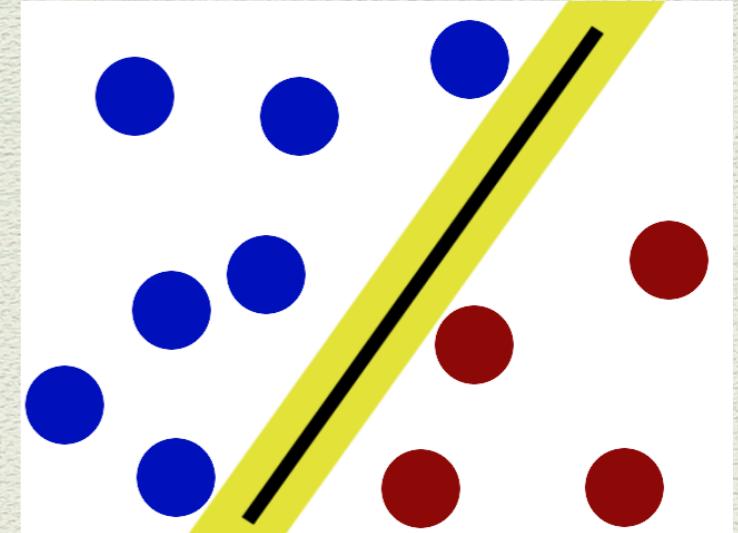
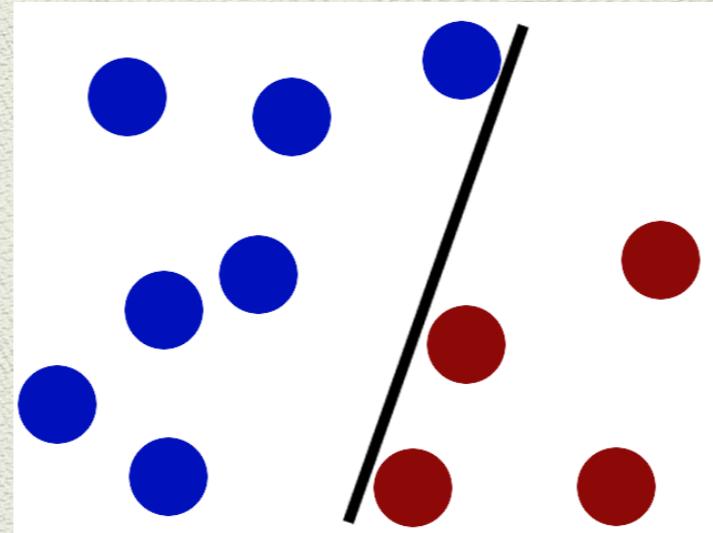
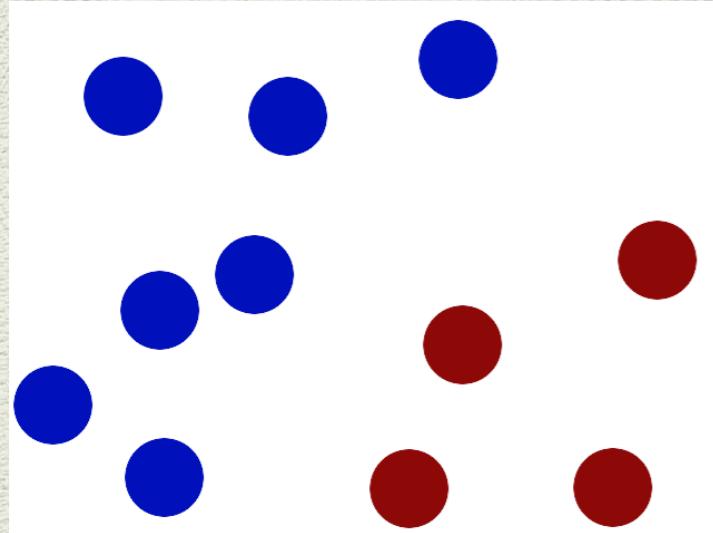
The next step would be to see how it performs in a setting where the purpose of the conversation is not to discuss personality types.

Feel free to test the model.

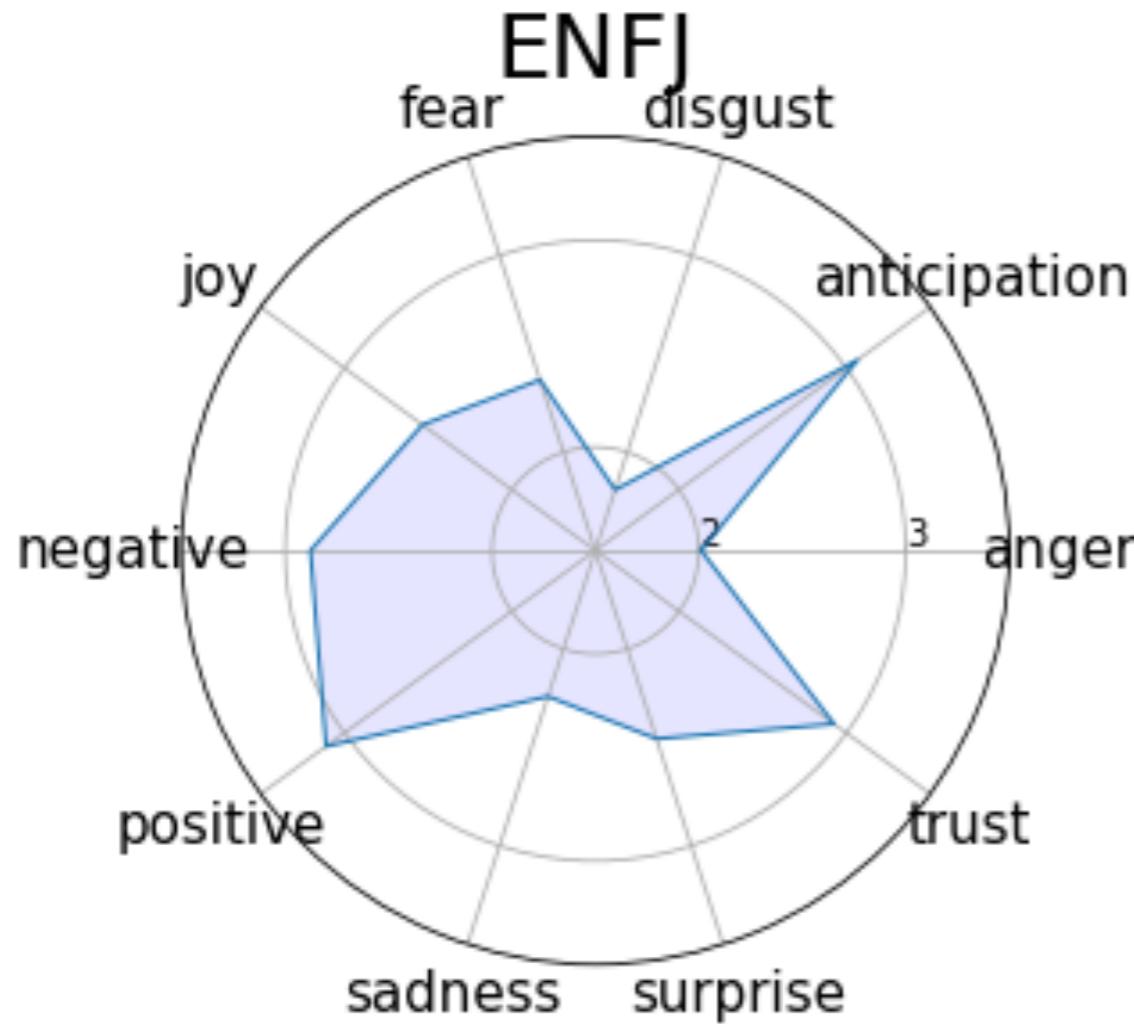
Questions?

WHERE? WHEN? WHY?
Q&A WHO? WHAT?
WHY? HOW? WHEN?
WHO? WHAT? WHERE? WHEN?
WHY? HOW?

Support Vector Machine

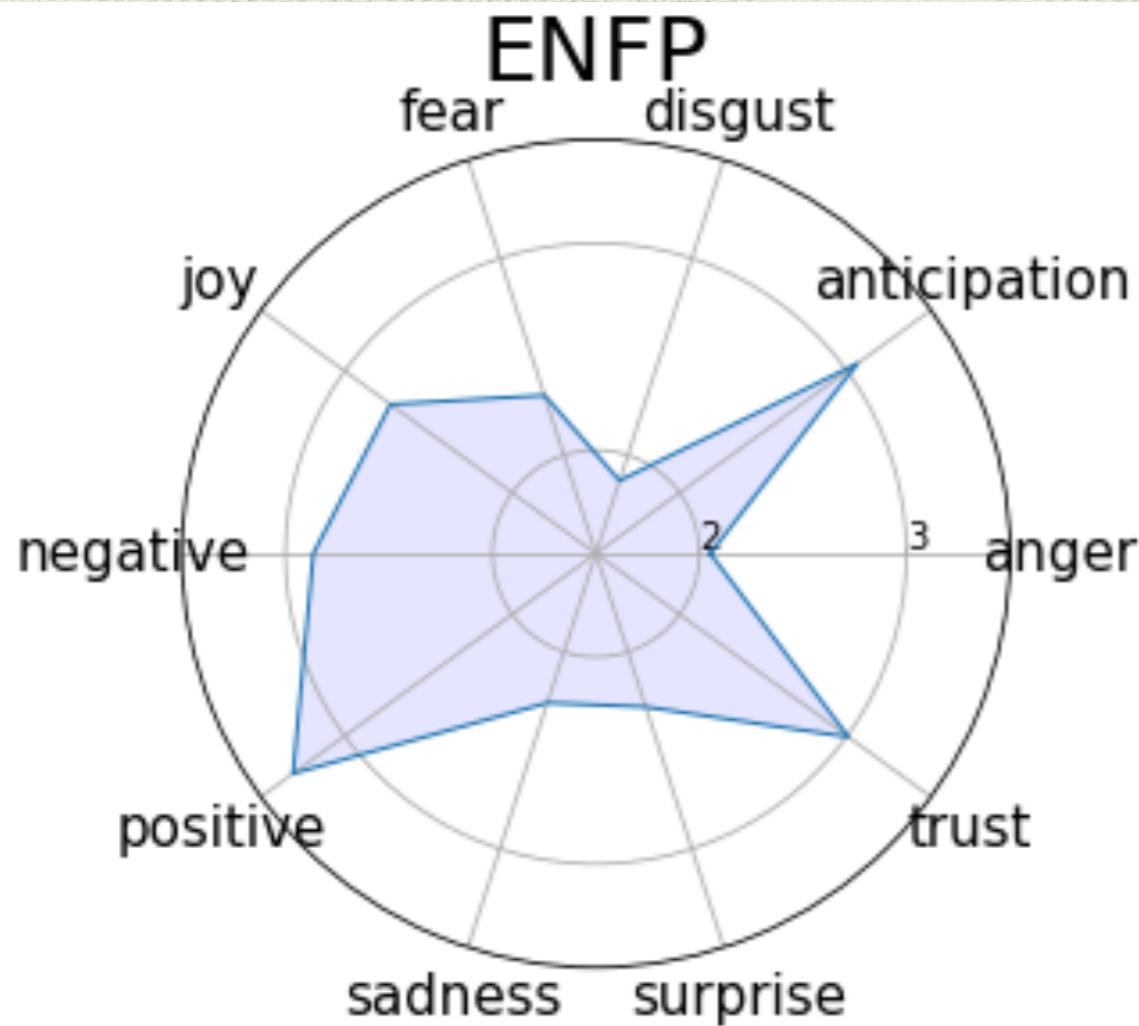


ENFJ



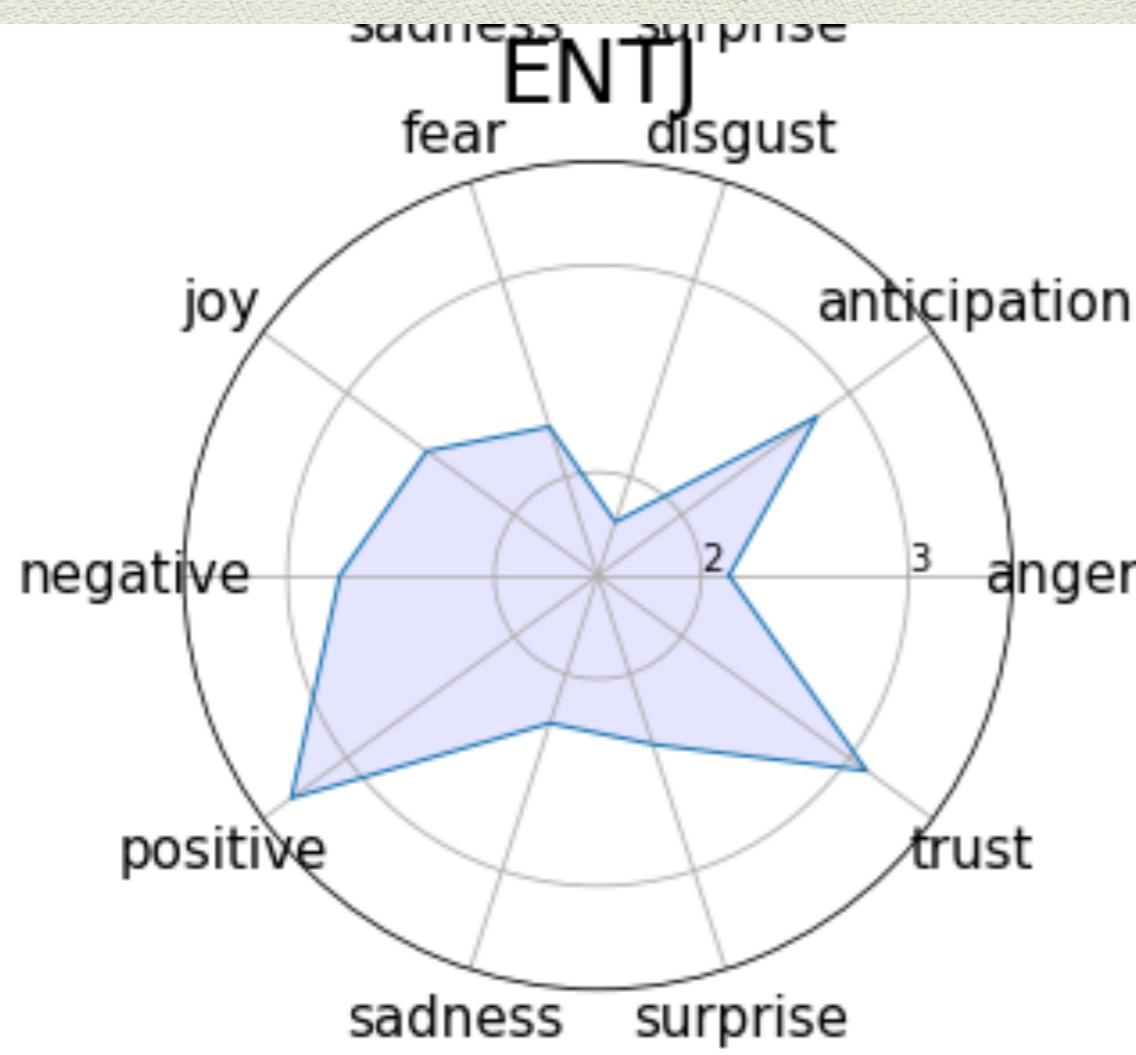
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ENFP



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ENTJ



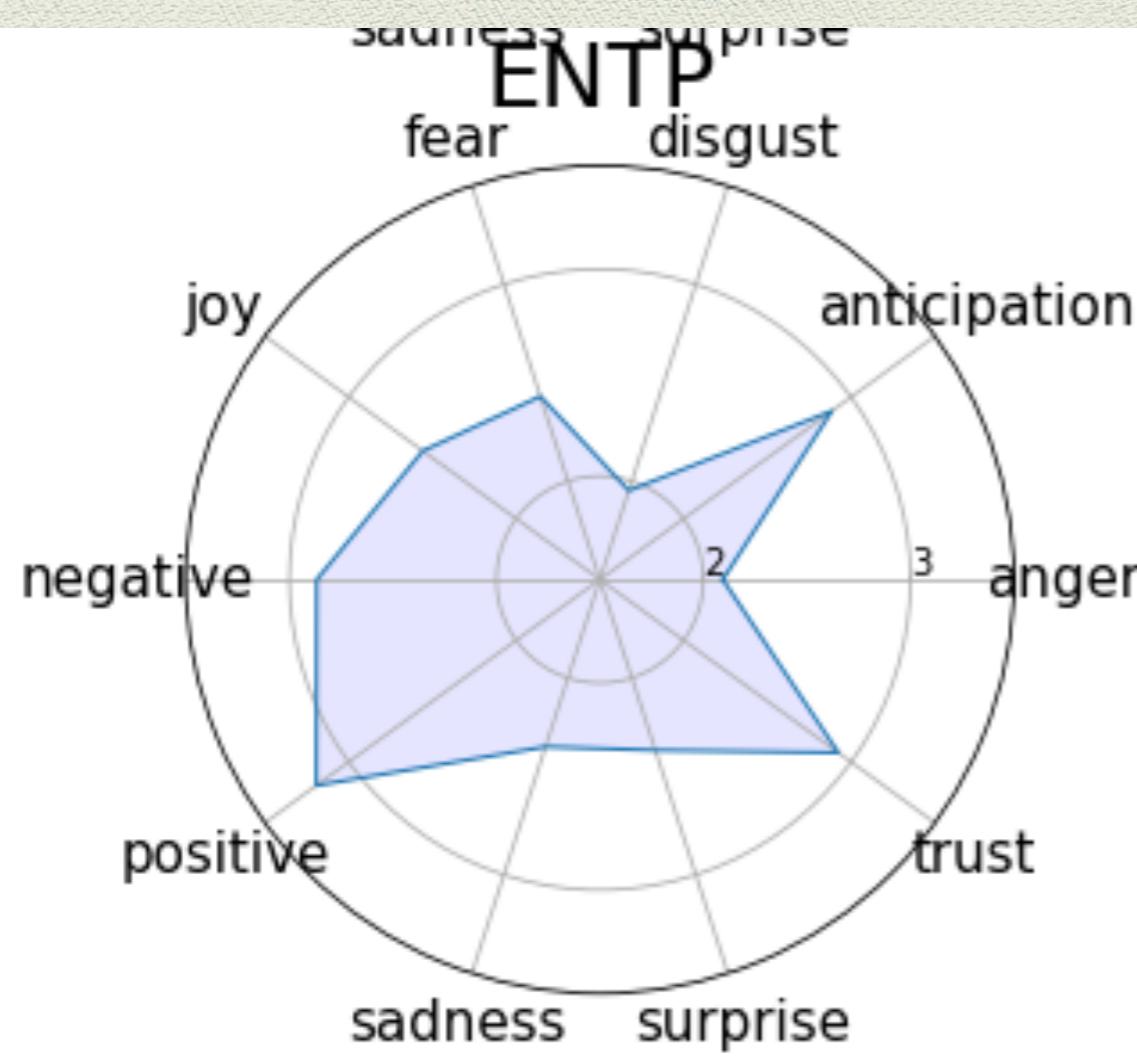
A word cloud visualization showing the frequency and context of various words used in a dataset. The words are represented by different sizes and colors, with smaller words often having additional descriptive text next to them.

The most prominent words include:

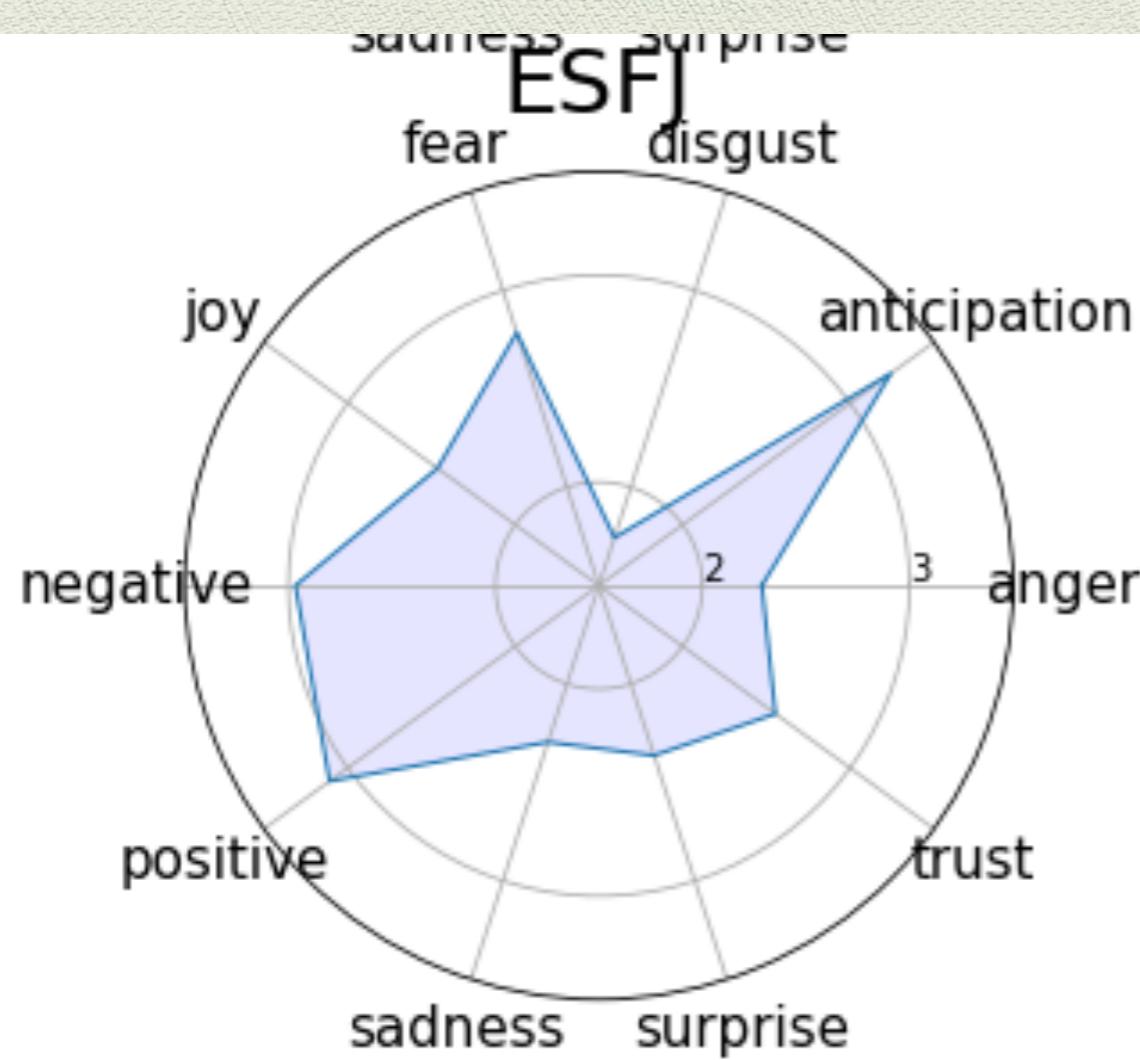
- first**: short, summer, anyone
- find**: always, came, explain
- use**: mean, way, emot, even
- work**: got, re, last
- love**: take, help
- make**: good, friend, colleg
- well**: tri, yeah, book, whi, onli
- thought**: start, high, lot
- never**: say, best, post
- interest**: co, great, present
- definit**: list, word
- veri**: anyth, year, tell
- seem**: dear, total
- ever**: i
- look**: se

Other notable words include: job, sx, knowledge, ani, heavy, everyone, similiar, previous, sp, comment, someth, hard, person, introvert, want, yeah, book, whi, onli, love, fuck, lol, point, kind, need, make, good, thought, start, high, lot, actual, self, theor, ask, abus, back, yes, go, interest, definit, list, word, usual, co, complet, anyth, year, tell, seem, ever, i, dear, total, look, se.

ENTP



ESFJ

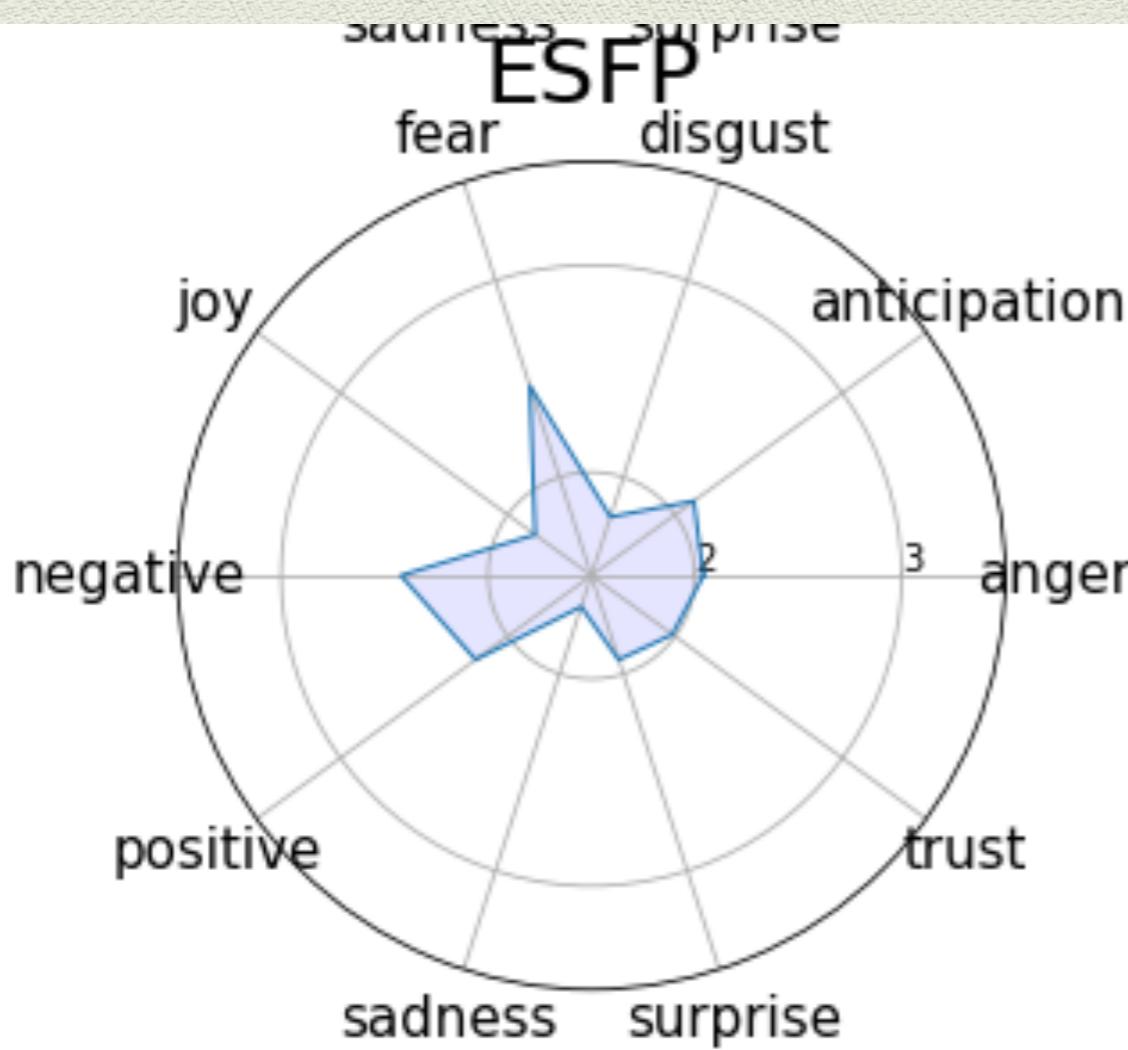


A word cloud visualization showing the frequency of various words in a dataset. The size of each word indicates its relative importance or frequency. The words are color-coded in shades of blue, green, and red.

The most prominent words include:

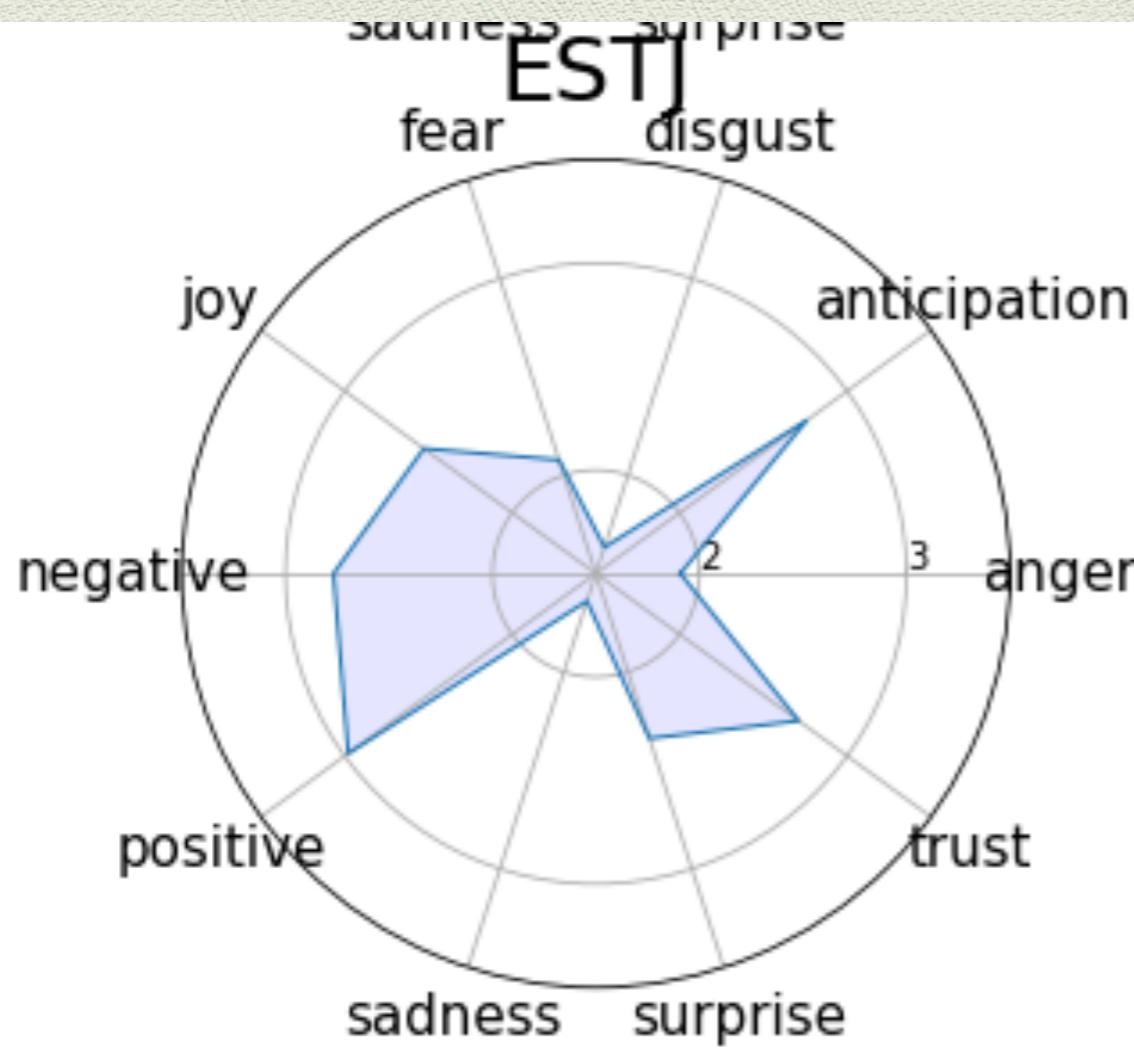
- major** (large, dark blue)
- course** (medium, dark blue)
- first** (large, dark blue)
- way** (large, light blue)
- spoiler** (large, dark blue)
- man** (large, dark blue)
- anyon** (large, green)
- kid** (large, dark blue)
- forum** (large, dark blue)
- understand** (large, light blue)
- friend** (large, light blue)
- girl** (medium, light blue)
- boy** (large, dark blue)
- listen** (medium, light blue)
- post** (large, light blue)
- sure** (medium, light blue)
- control** (medium, light blue)
- interest** (medium, light blue)
- worthless** (medium, light blue)
- teach** (small, light blue)
- nfp** (small, light blue)
- wow** (small, light blue)
- tough** (small, light blue)
- around** (small, light blue)
- curious** (small, light blue)
- admit** (small, light blue)
- speak** (small, light blue)
- origin** (small, light blue)
- chang** (small, light blue)
- specif** (small, light blue)
- ta** (small, light blue)
- post** (small, light blue)
- ta** (small, light blue)
- big** (small, light blue)
- little** (small, light blue)
- meant** (small, light blue)
- unless** (small, light blue)
- commo** (small, light blue)
- increas** (small, light blue)
- although** (small, light blue)
- much** (large, light blue)
- everi** (small, light blue)
- need** (small, light blue)
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- ani** (small, light blue)
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- winchi** (small, light blue)
- stuff** (small, light blue)
- without** (small, light blue)
- creat** (small, light blue)
- favorit** (small, light blue)
- hope** (small, light blue)
- death** (small, light blue)
- chan** (small, light blue)
- meet** (large, dark blue)
- lol** (medium, light blue)
- cri** (small, light blue)
- nice** (small, light blue)
- sens** (small, light blue)
- maze** (small, light blue)
- snob** (small, light blue)
- book** (small, light blue)
- regard** (small, light blue)
- situat** (small, light blue)
- bring** (small, light blue)
- joke** (small, light blue)
- hey** (small, light blue)
- hindi** (small, light blue)
- cure** (small, light blue)
- girl** (small, light blue)
- mistyp** (small, light blue)
- make** (small, light blue)
- dislik** (small, light blue)
- song** (small, light blue)
- least** (medium, light blue)
- jaim** (small, light blue)

ESFP

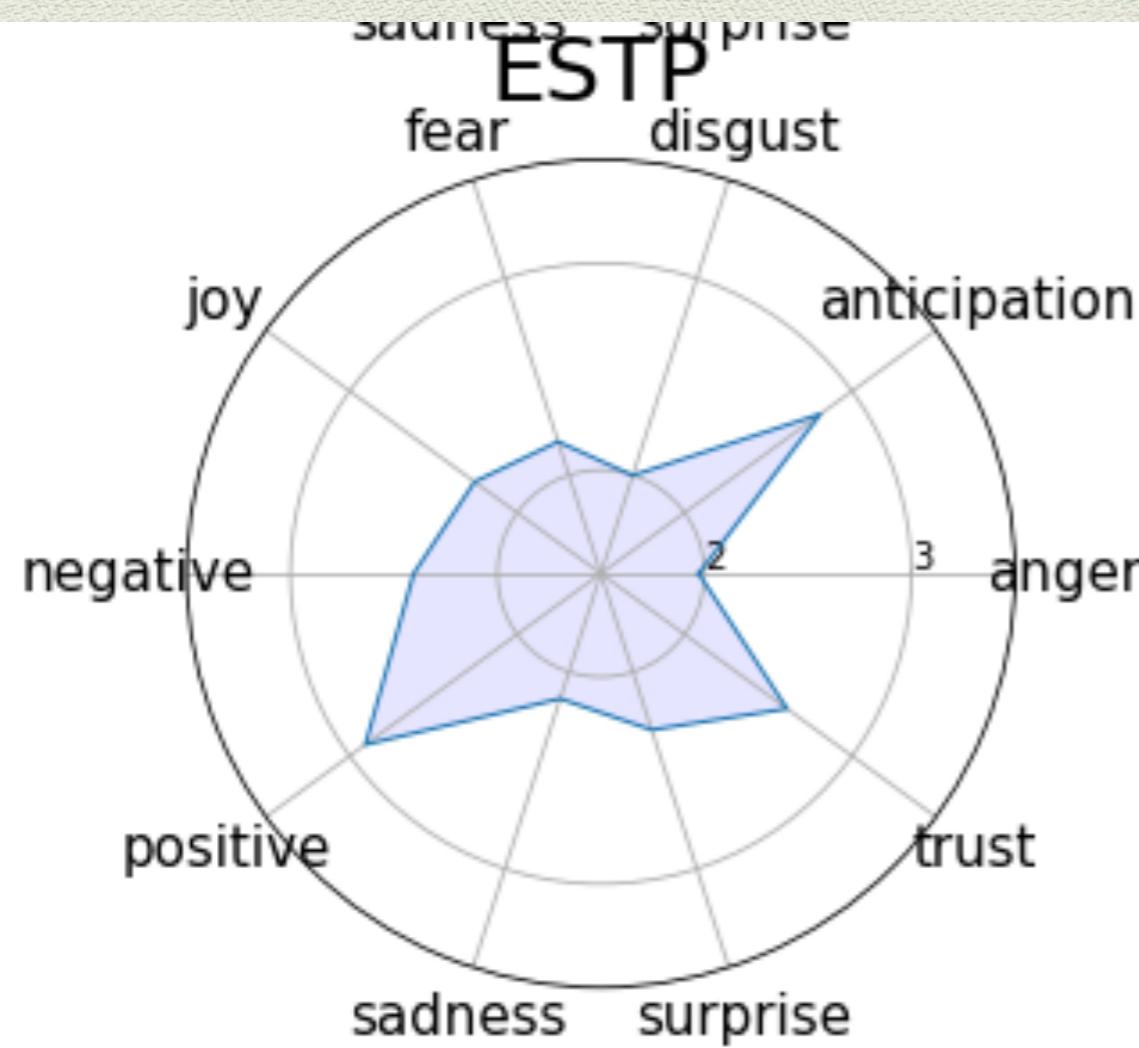


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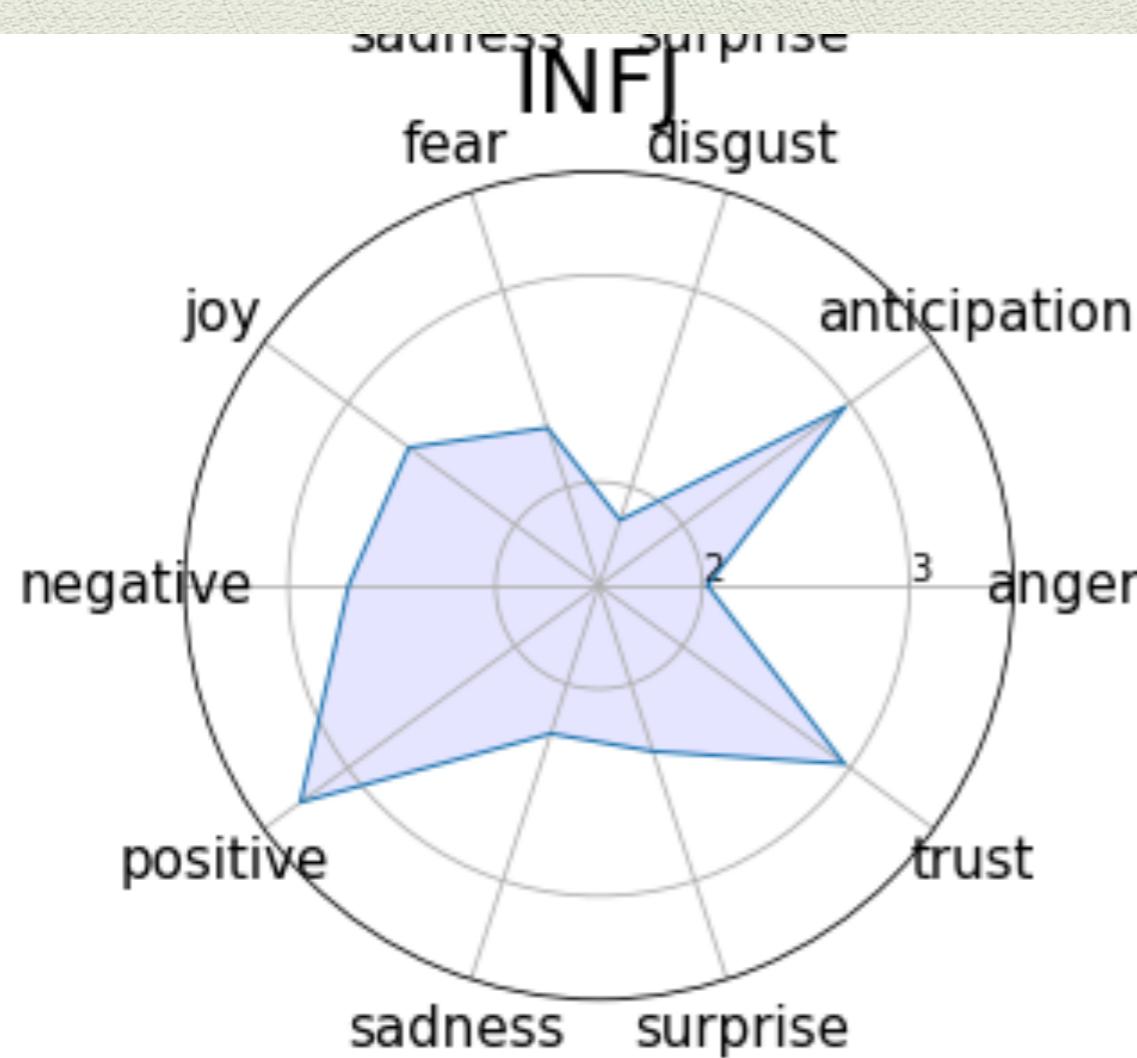
ESTJ



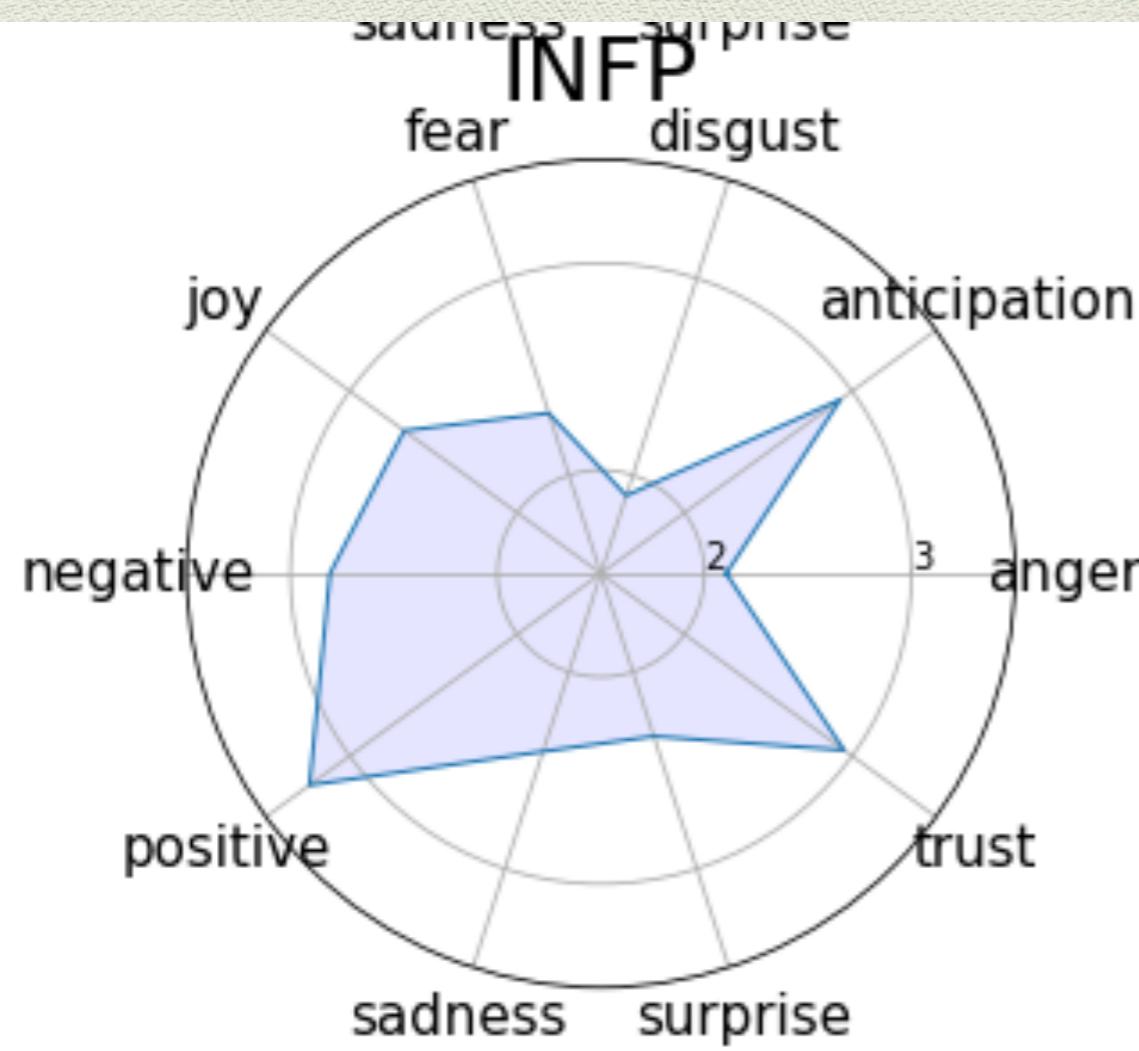
ESTP



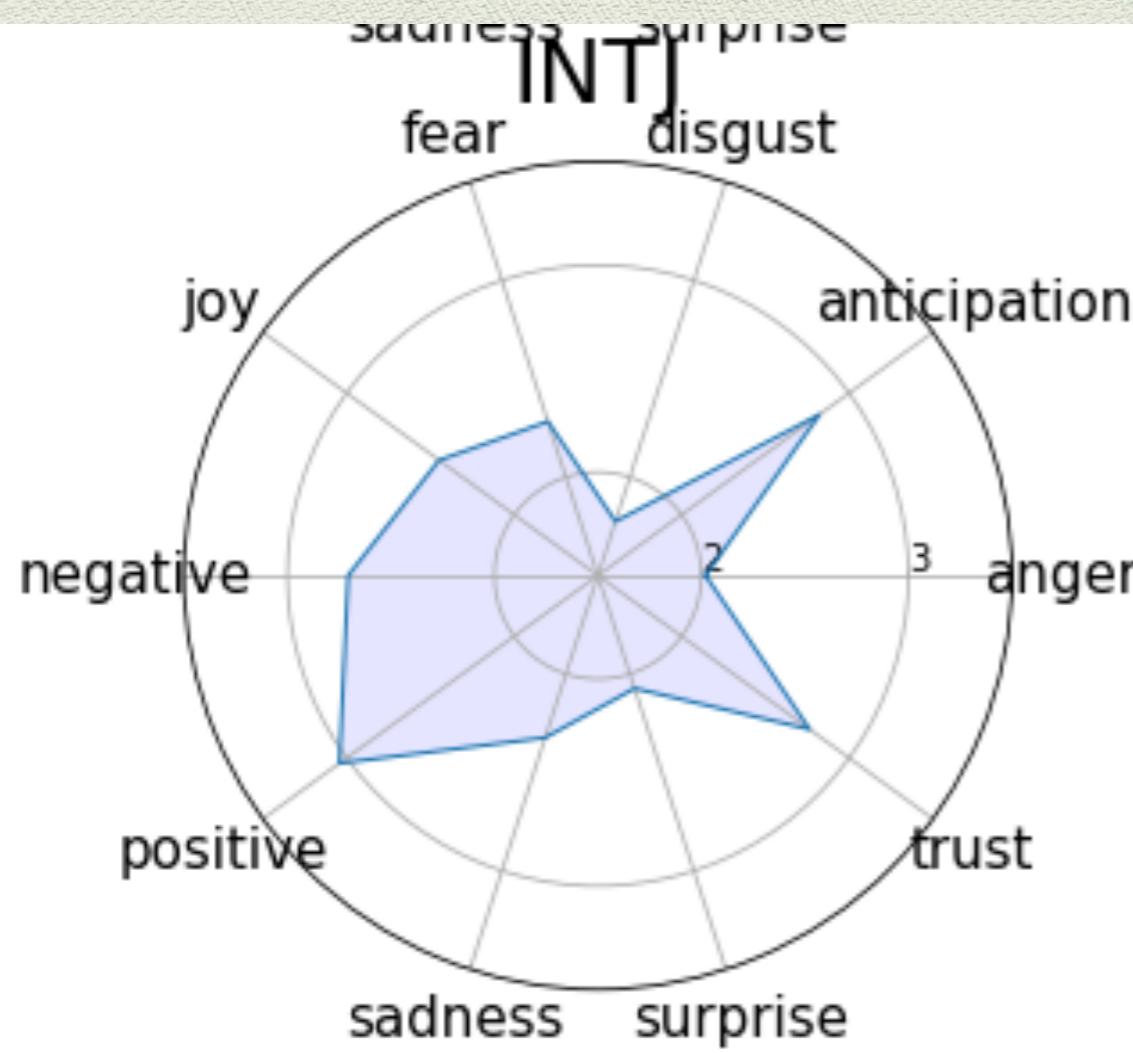
INFJ



INFP

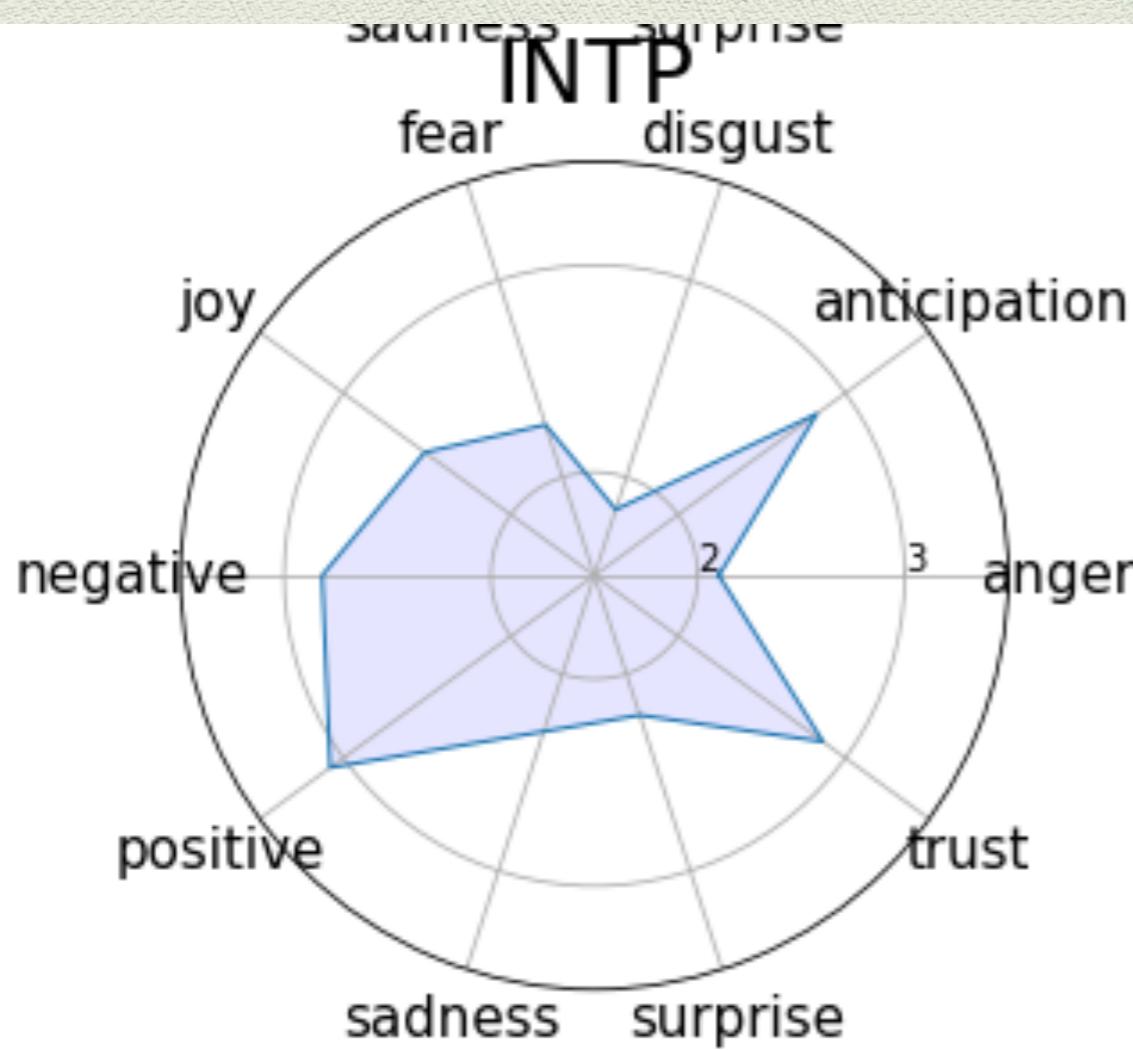


INTJ



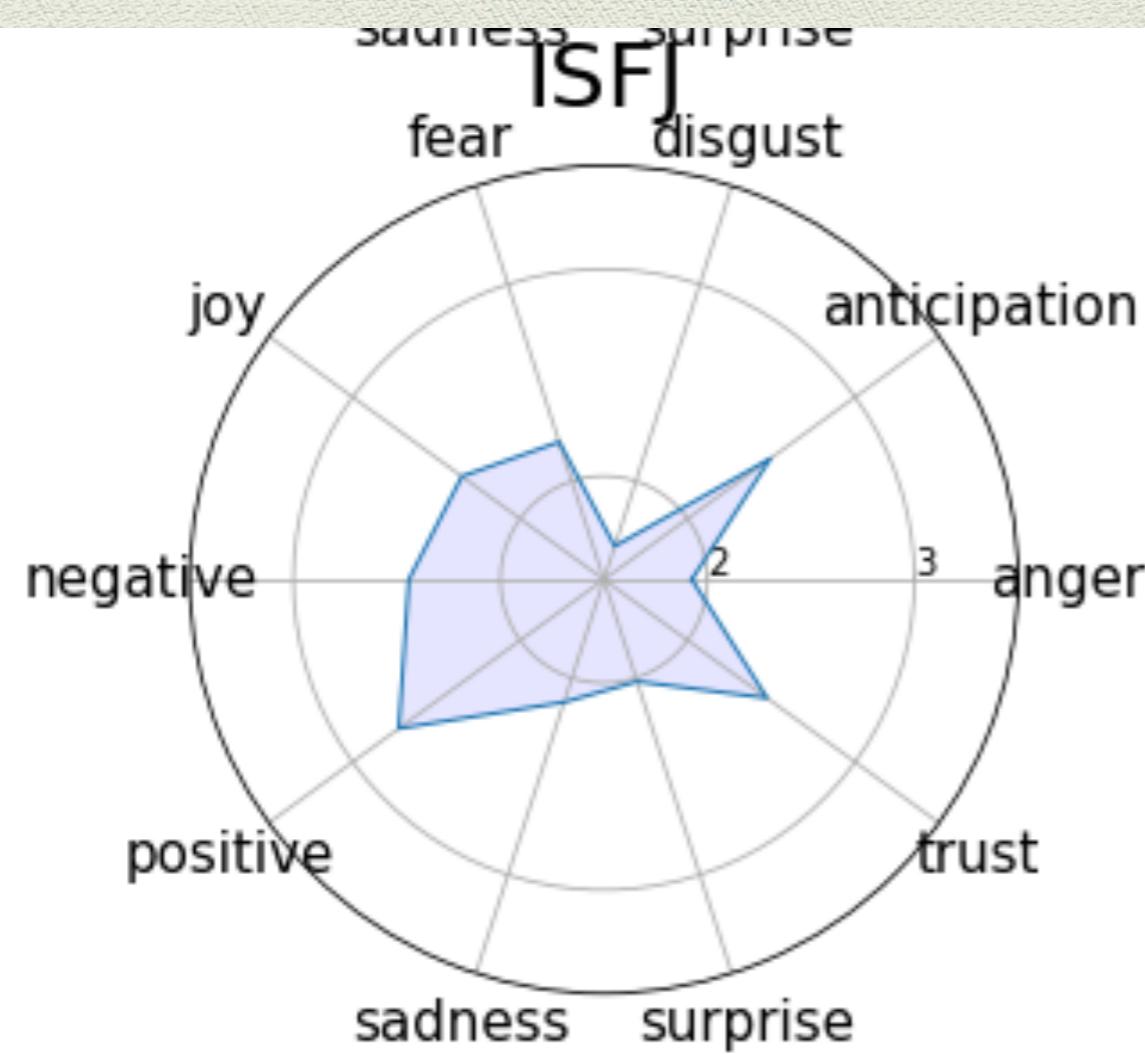
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INTP



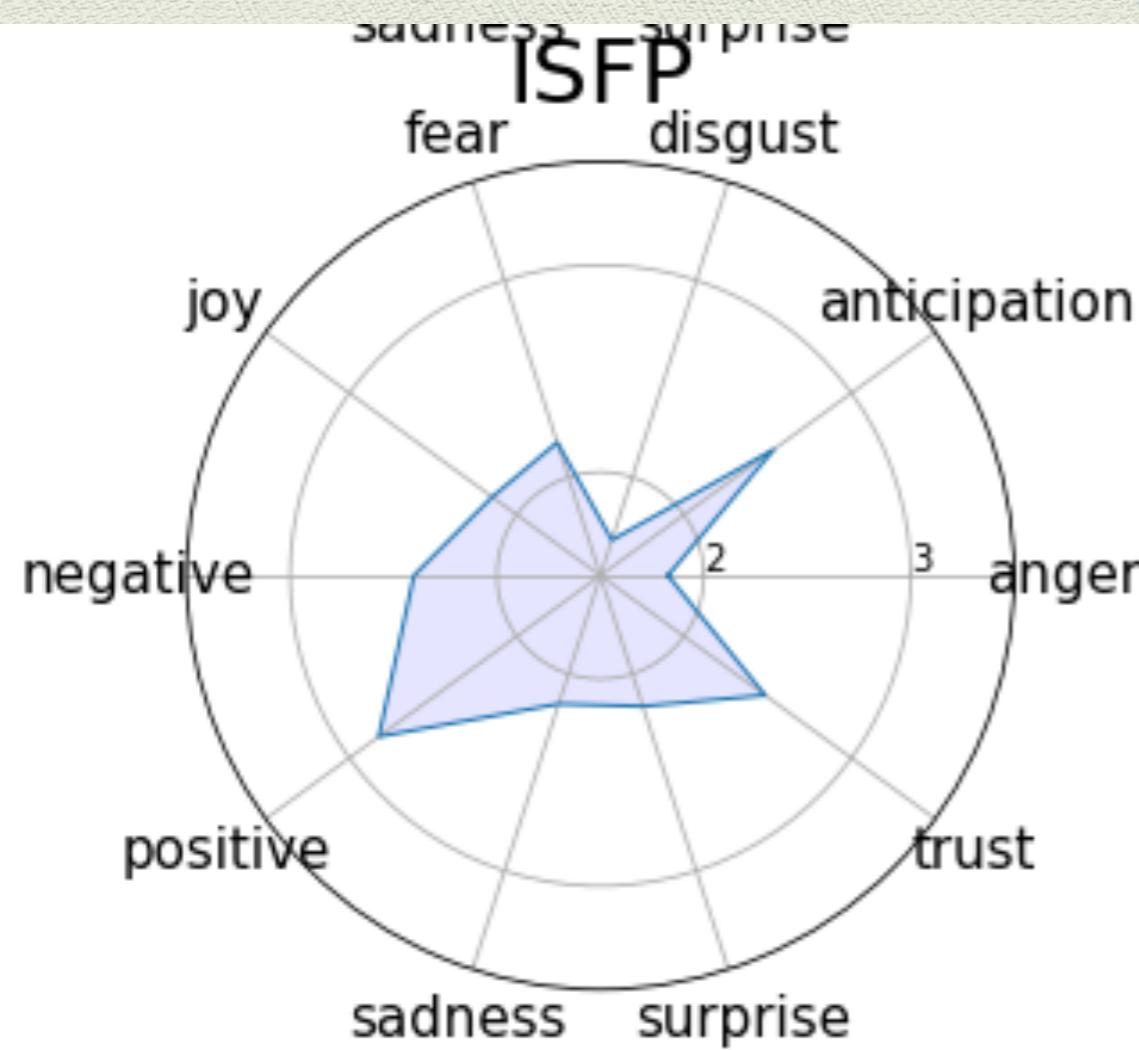
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ISFJ



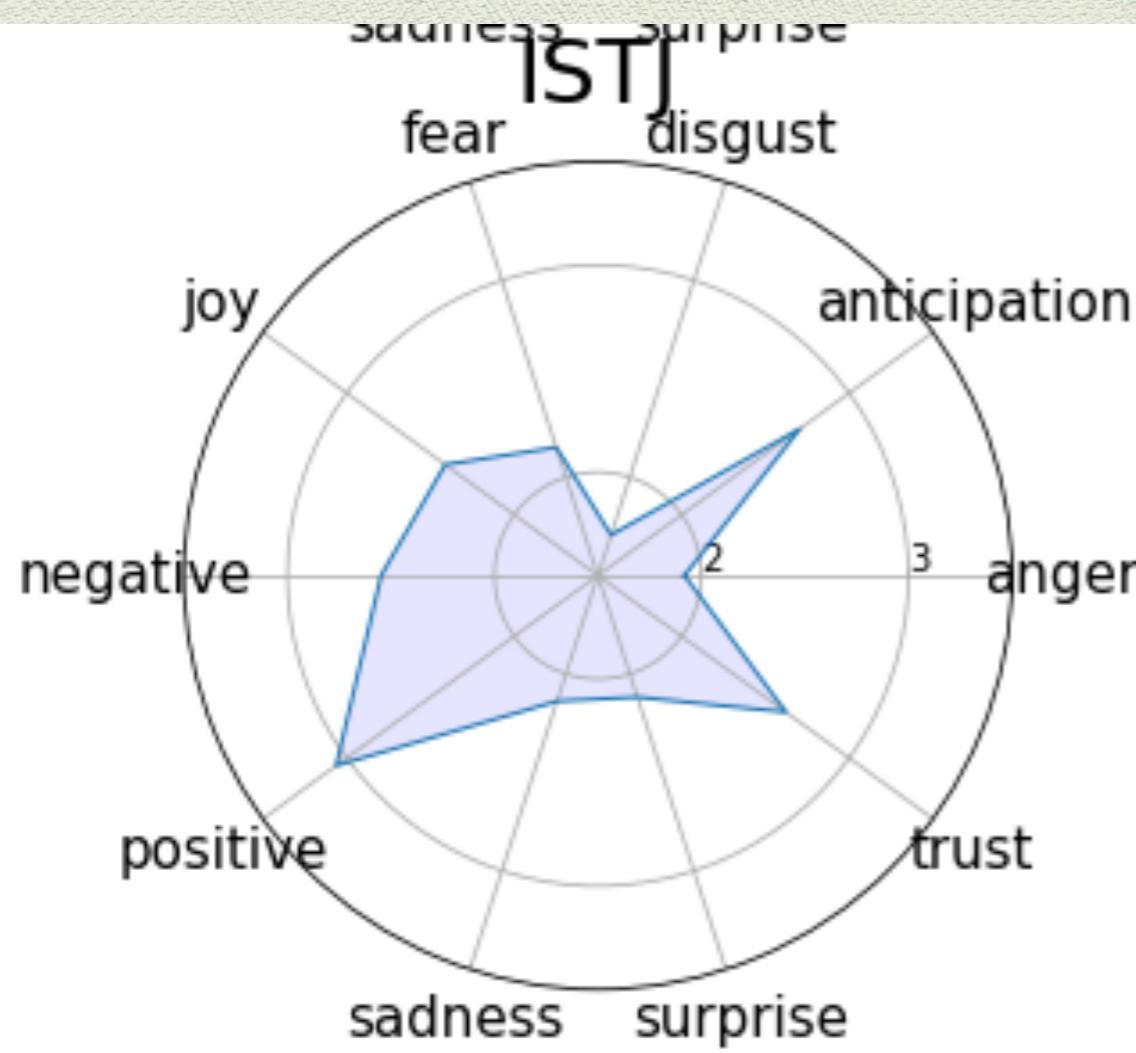
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still
sure
thread
friend

ISFP



post lot back
real call live
saw ask say
show good reason
kind everyone
guy talk laugh
almost group
art movi
probabl
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make draw
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onli use last
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ISTJ



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ISTP

